

## Before starting...

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2. This user manual has been prepared based on information available at the time of publishing and may have technical or editorial errors or omissions.
3. The screen and shape of the product in this manual may differ from that of the actual product.
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## 1. Important Notices: Proper Usage

Do not use the product while driving. Be sure to observe traffic related laws as, otherwise, it may cause a car accident.

Be sure to carefully read this user manual, as not observing the cautions may cause injury of the user or other persons, or damage to property.

The manufacturer and seller do not take any responsibilities for any and all accidents due to not observing the cautions specified in this manual.

This product should be used only for the established purpose. Do not use the product for other purposes than those specified in the user manual.

If there is an odor of burning or excessive heat from the product while in use, remove the battery and immediately contact the customer service center.

Be sure to use the product in a bright place to protect your eyesight, as looking into the LCD screen in a dark place for a long period of time may hurt your eyesight.

We recommend you to back up important data in this product often. The seller and manufacturer do not take any responsibility for data loss, even during service or repair of the product. The manufacturer and seller as well as the customer service center do not take any responsibility for data loss.

Do not place the product near magnets or magnetic fields. It may cause failure of the product.



## 1. Important Notices: Proper Usage and Battery Care

Do not handle the product with wet hands as it may cause malfunction of the product and, especially, if the AC adapter is handled with wet hands, there is a risk of electrocution.

Use the LCD screen with a stylus pen provided by the manufacturer or a non pointed tool. Otherwise, the LCD may be damaged.

The film attached on the LCD is a film used to protect the LCD during shipping. If the product is used with the film on, poor touch screen function may occur. Be sure to use the product after replacing the film with the LCD protection film separately provided.

When using USB cable, adapter and snap-on, be careful with the direction of connector insertion. If it is inserted incorrectly it may cause a problem with the PDA or PC. Ensure the cable used is in good condition not having bent pins or damaged areas along the cord.

The product may not operate properly in extreme cold or heat. The proper operating temperature is between  $-10^{\circ}\text{C}$  ~  $50^{\circ}\text{C}$ . Be especially careful to avoid storing the product in a place in extreme temperatures, or moist areas. This may cause external change or product damage. Store in a cool dry place.

In following cases, warranty service will not be provided and repairs may be impossible:

- If the product has been disassembled or remodeled by the user;
- If the product has fallen into the water or stored in a moist place for a long period of time;
- If the product has been dropped from a high place or received excessive external shock.

Charge the battery fully for at least 30 minutes or longer before using the product for the first time. The product may not turn on before the battery is charged.

There is a risk of explosion if the battery installed is of the incorrect type. When replacing the battery be sure to check that you are using the correct one. Dispose of used batteries according to the instructions.



## 1. Import Notices: Battery Care / Other Instructions

If batteries not provided by the manufacturer are used, there is a risk of product failure or explosion. Keep the battery away from children or pets to prevent them from biting or sucking the battery. Be careful to prevent metal objects from contacting the charging terminals of the battery as it may cause fire.

Turn off the power of the product in places where use of the product is prohibited. Especially where radio wave interference may occur such as in an airplane or in a hospital. Electromagnetic waves generated by the product not harmful to a human body may cause problems for electronic flight equipment or medical instruments.

Do not paint or attach stickers to the product, especially if those paints or stickers contain metal ingredients. It may cause buttons not to operate or reception problems.

### Laser radiation

Do not stare into the beam. This is a Class2 laser product.

Do not point the bar code reader laser into eyes of a person or an animal. In extreme cases it may cause blindness.

Do not use any power adaptor with this product except the one provided.

Provided adaptor

Model : KSAFD0500300W1UV / Manufacturer : Kuantech(Shenzhen)Co. Ltd

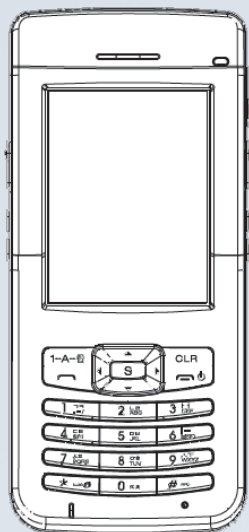


## 2. Before using

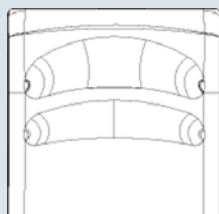
### 2.1 Package Contents

.....

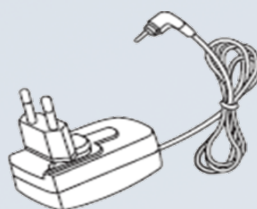
#### Basic Components



**Device**



**Two Standard Batteries**



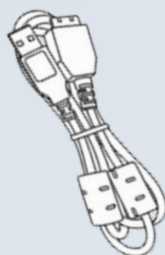
**A/C Adapter**



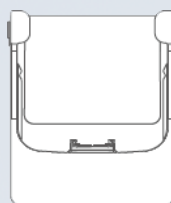
**Manual**



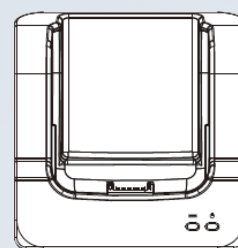
**CD**



**USB Cable**



**Snap-On**

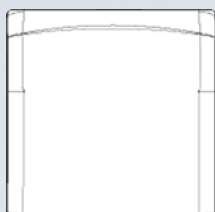


**Cradle**

#### Additional Components



**12V Adapter**



**Large  
Battery**



**Vehicle Mount**



**Leather Case**



### Notice

The specification and components of this product may change according to the situation of the manufacturer.

## 2. Before Using

### 2.2 Button Layout and Physical Features

#### Part Description and Function



Name	Description
<b>1</b> LCD	Touch screen on which information is displayed
<b>2</b> Speaker	Part used as receiver where sound is output during telephone conversation
<b>3</b> Buttons	Buttons used to enter phone numbers, or start or terminate the call
<b>4</b> Bar Code Reader	Part where laser is output for bar code scanning
<b>5</b> Camera and Flash	Camera and flash used to take pictures
<b>6</b> Battery Switch	Switch used to mount or remove the battery
<b>7</b> Battery	Standard or large capacity battery
<b>9</b> Bar Code Scanner Button	Button used for bar code recognition
<b>8</b> Earphone Jack	Hole into which the earphone is inserted
<b>10</b> Snap-on Fixing Hole	Hole in which the snap-on for charging and synchronization is fixed
<b>11</b> Volume Increase Button	Button used to increase the volume of telephone conversation
<b>12</b> Volume Decrease Button	Button used to decrease the volume of telephone conversation
<b>13</b> Sleep Button	Button used to turn on and off the LCD with the power on
<b>14</b> Camera (Function) Button	Button used to start camera function or to be separately defined
<b>15</b> snap-on Insertion Hole	Place to insert the snap-on for charging and synchronization
<b>16</b> Stylus pen holder	Stylus pen holder



## 2. Before Using

### 2.2 Button Layout and Physical Features

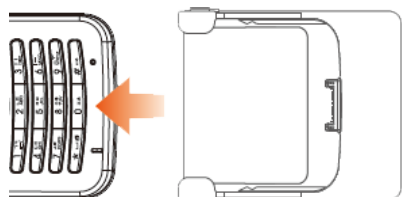
#### Button Functions

Button	Function
	These are used primarily to enter numbers and can also be used to enter text.
	This button is used to convert the function of key to English letters, numbers or symbol key.
	This button is used to delete one letter when entering text.
	It is used to connect to the most recent call and to receive an incoming calls while using the phone function.
	Used to fully turn on and off the power of the product or to end a call.
	This button is used to select alternate button functions. First press FN button and the number button. The functions such as the direction, space and ESC in blue color can be accessed.
	Used to activate the scanner or as the enter button.
	This button is used to read the bar code.
	It can increase or reduce the volume of phone conversation.
	Used to turn on and off the LCD while the device is on.
	Used to operate the camera and, in the PDA with no camera, a separate function will be set.
	Used to reset the product to reboot it when a problem has occurred during use.

## 2. Before Using

### 2.2 Button Layout and Physical Features

#### Power connection and charging



1

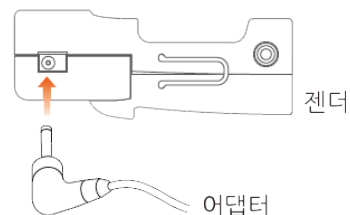
Connect the snap-on to the input socket at the bottom of the device.

(In a cradle, connect the device to the cradle.)

2

Connect the adapter to the power connector at the right side of the device.

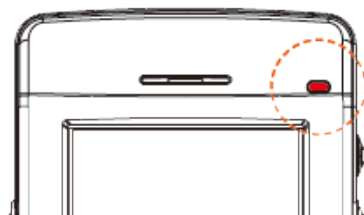
(In a cradle, connect an adapter to the back of the cradle.)



3

While charging, the red LED light will be on.

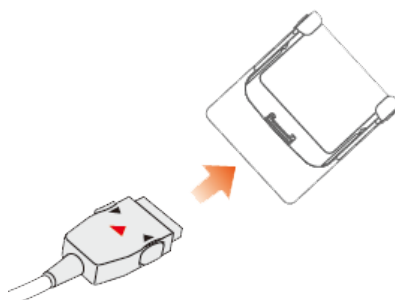
When charging is complete, light will turn green.



4

If the device needs to be charged urgently, you can use a 24pin charger.

In this case, it will take longer than the charger for the device only and the LED will be off



#### Battery charging and using time

	Standard BTRY	Large BTRY
Charging time	About 3 hours	About 4 hours
Talk time	About 210 min	About 500 min
Standby time	About 100 hours	About 230 hours



#### NOTICE

- The Charging time is calculated based on using the proper charging cradle.
- Charge, talk and standby time may depending on user environment.

-Battery life will vary by user service type, environment, battery age.

-If user does not use the device, the battery will lose charge. The battery is consumable product.

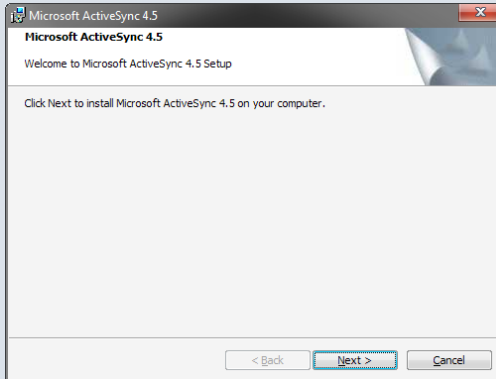
-If battery usage time decreases below standard a new battery should be purchased.

-PDA warranty is 1 year. Battery warranty is 6 months.

## 2. Before Using

### 2.3 To connect with a PC

#### To install Active Sync



1

In order to connect (synchronize) the PDA with a PC, Microsoft program called ActiveSync is required. For installation, execute 'Install Program' and press 'Next'. At this time the PDA and PC should not be connected.

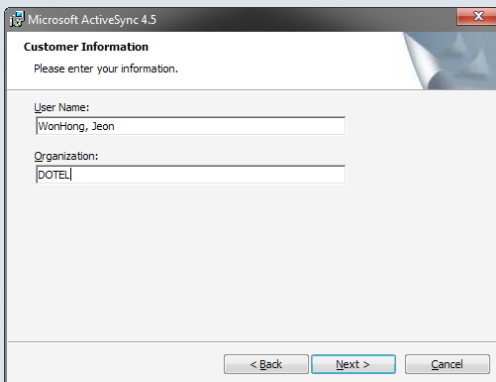
2

Agree with the license for Microsoft ActiveSync. Select 'Agree' and press 'Next'.



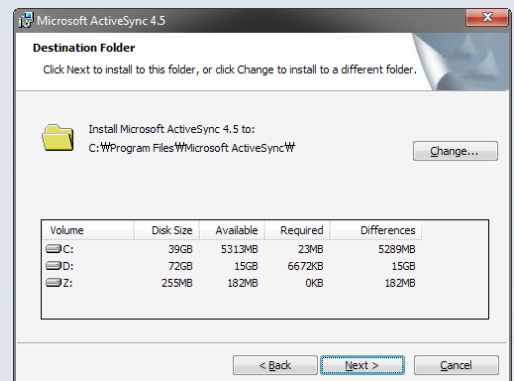
3

Enter 'User Name' and 'Organization' and press 'Next'.



4

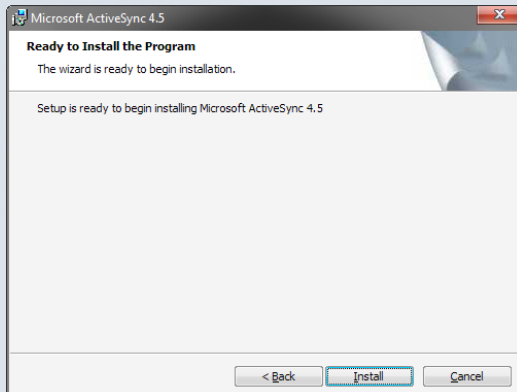
Check the disk capacity which can be used for installation and change the installation location by pressing 'Change' or press 'Next' if you want to install it in the default location.



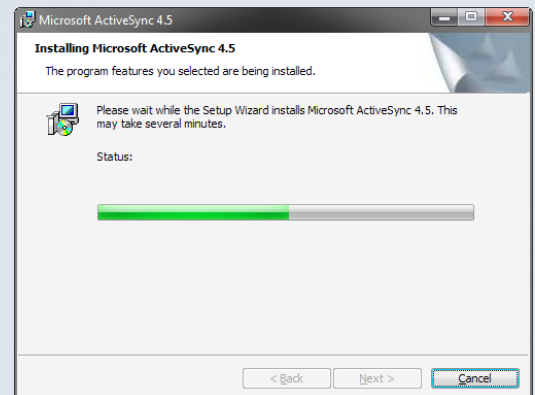
## 2. Before Using

### 2.3 To connect with a PC

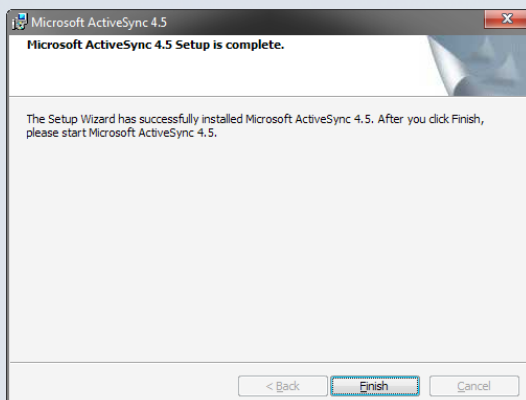
#### To install Active Sync



**5** ActiveSync is now ready to install. Execute installation by pressing 'install'.



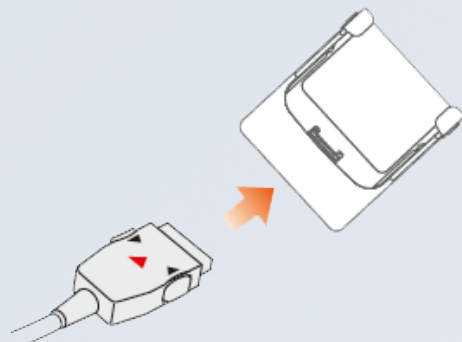
**6** Installation of ActiveSync will be performed. It may take several minutes depending on the environment of the user PC.



**7** Once installation of ActiveSync has been completed finish installation by pressing 'Finish'.

**8** Now, connect the PDA with the PC using the snap-on.

(In a cradle, connect a data cable to the side of the cradle.)



## 2. Before Using

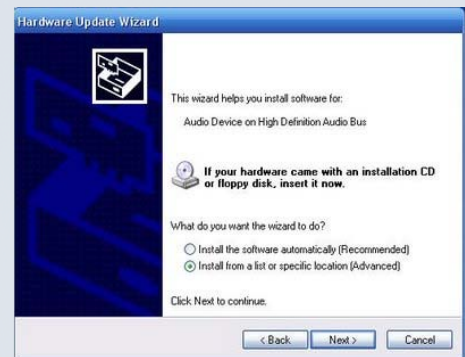
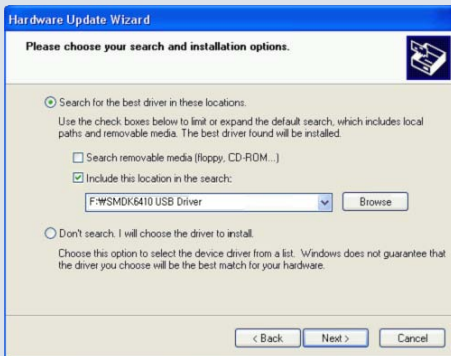
### 2.3 To connect with a PC

#### To install Active Sync



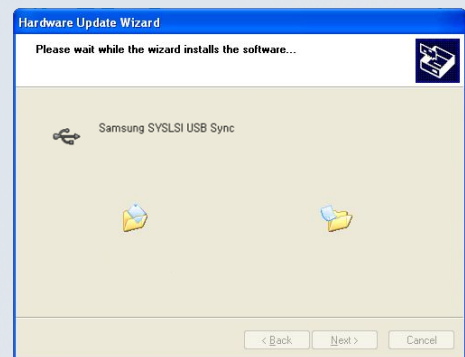
9 'Found New hardware wizard' will start. Select 'Yes, connect whenever a device is connected' and press 'Next'.

10 'Generic USB Serial' is found. Select 'Install at the listed or specific location' and press 'Next'.



11 Press 'Next' after finding the driver file by pressing 'Browse'.

12 A driver adequate for Maxion PDA will be installed.



13 When the window for compatibility checking appears, proceed by pressing 'Continue'.



## 2. Before Using

### 2.3 To connect with a PC

.....

#### To install Active Sync



14

Once the installation of the driver has been completed. Press 'Finish'.

15

Installation of ActiveSync has been completed and synchronization will start.

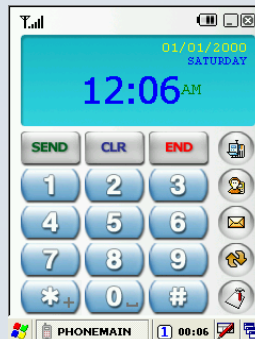
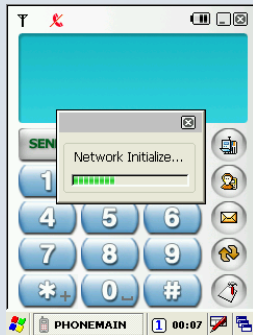




## 3. Using Programs

### 3.1 Phone Function

To start the phone function



1

When the PDA is turned on, the phone program will be automatically executed and initialization for use of phone will be performed. When initialization is completed, the present time will be displayed as shown in the screen at the right. Once this happens the phone function is active.

2

Followings are explanation about each icon of the phone display.

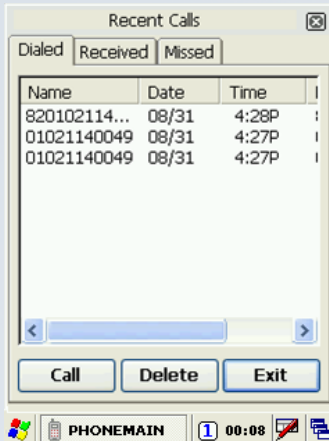



Icon	Explanation
	Signal Status
	No Signal
	Call in Progress
	Vibrate Mode
	Remaining Battery Power
	Text Message Notification

## 3. Using Programs

### 3.1 Phone Function


#### Call history





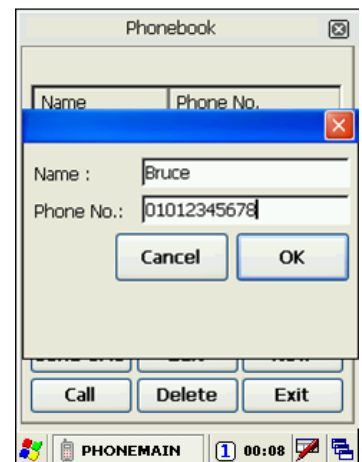
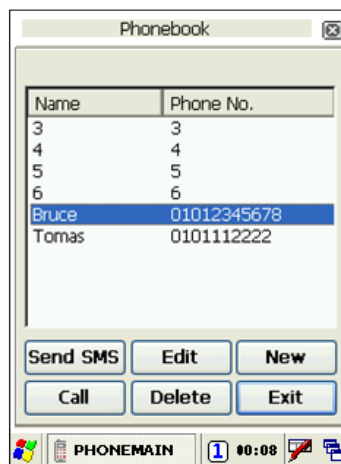
press  to check recent calls, received calls and missed calls. User can make call and delete directly from the list.

#### Search phone number



Press  button, to access phone book. User can call, text and add phone numbers here.

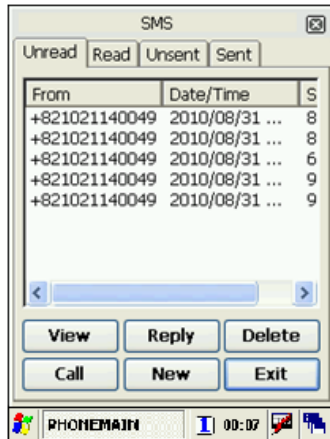
Press   buttons to input name and phone number. Press OK to save and finish.




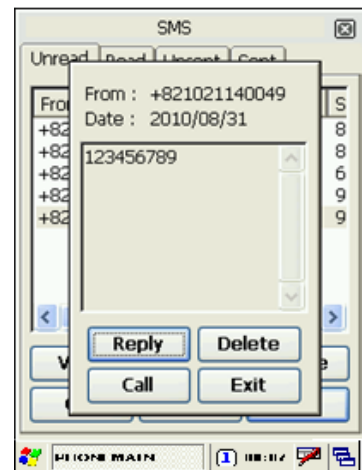
## 3. Using Programs

### 3.1 Phone Function

#### Text messages



Press  button to use text message function.  
User can check read, unread, sent, unsent message as left picture.  
To call, response and delete, press the button at the bottom

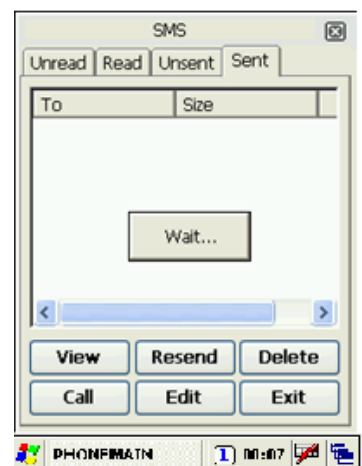


Press **View** button to check message as seen to right.



Press **Reply** button to write message as seen to left.  
The instructions for message writing on next page.

Press tabs on the top to move to unread, read, unsent and sent message tab.

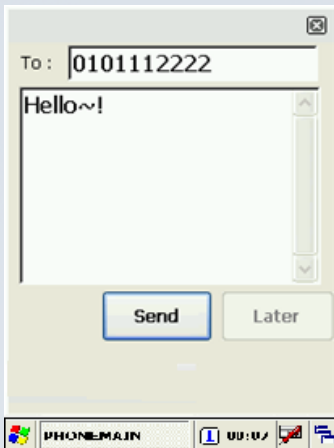


## 3. Using Programs

### 3.1 Phone Function

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#### How to write text messages



Input the desired recipient phone number.

Use keypad for this.

Click empty space to finish the message.

Use **1-A** button to change to capital , small, number and special character.

Press 0 to change the special character page.

#### How to use vibration mode



Press the function button **FN** first and **7 PORS** button to activate vibration mode.

In the vibration mode, if you want to return to ringer mode, press the function button **FN** first and **7 PORS** button again.

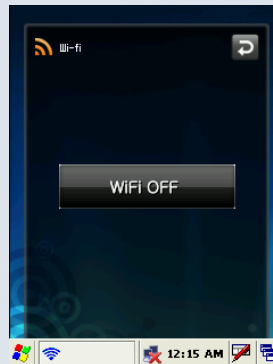
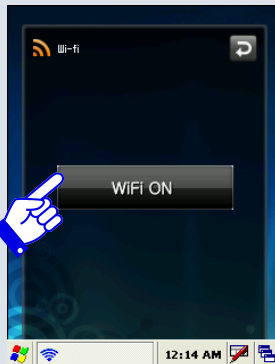
## 4. Additional Functions

### 4.1 Wireless LAN



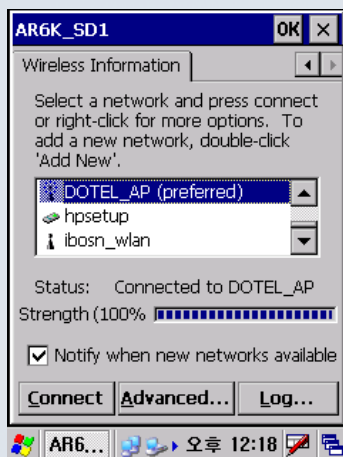
**This is an optional item and can only be used on models having this module.**

#### Connecting Wireless LAN.



It can be controlled by pressing on or off as shown in the figure above after selecting 'Start' → 'Program' → 'WiFi' from the tool bar at the bottom of Windows wallpaper.

**WLAN on/off state is maintained even after the system is rebooted.**



When WLAN is turned on, 'Wireless Setup' window will appear on the screen after a few moments.

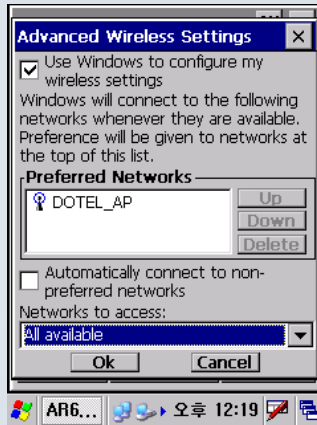
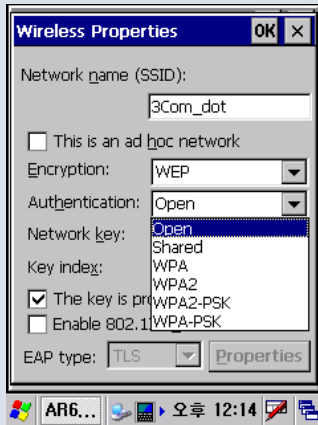
Select 'Wireless Information' tab at the 'Wireless Setup' window.

Wireless AP list will be shown as in the screen at the left. Connection can be attempted by double clicking the AP desired or pressing 'Connect' button.



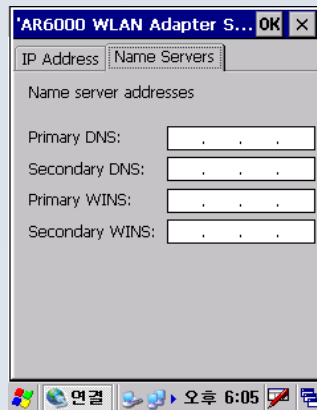
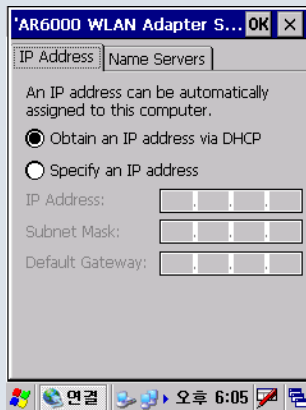
## 4. Additional Functions

### 4.1 Wireless LAN



After selecting a wireless AP, set up the protocol of AP by entering Encryption, authentication, network key, etc.

When 'Advanced' button is pressed with the AP connected, (existing) connected AP list will be shown, where priority of automatic connection can be decided using up/down buttons.



After selecting Start → Setup → Connect Network and Phone Link → AR6K\_SD1, DHCP and IP can be set as shown in the figure at the top.

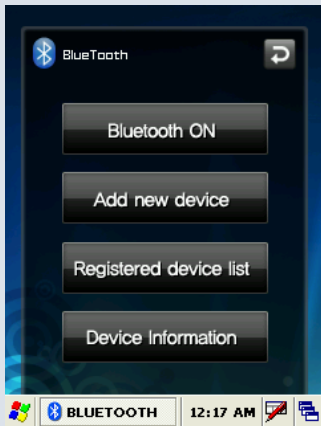


## 4. Additional Functions

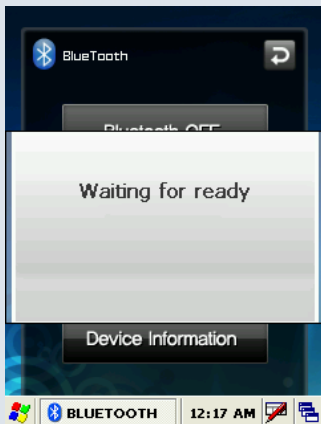
### 4.2 Bluetooth



**This is an optional item and can only be used on models having this module.**



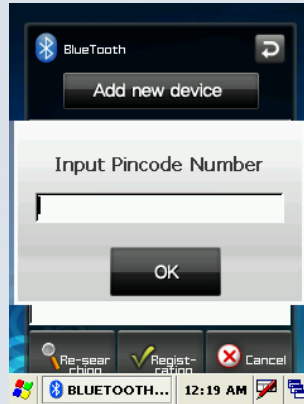
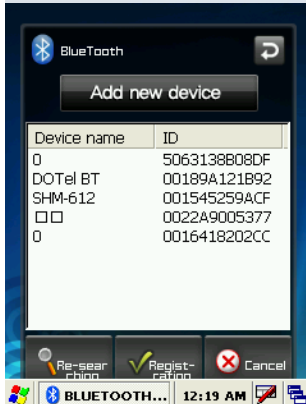
Use this menu to activate or deactivate Bluetooth function. Bluetooth function can be used only after turning the module on by pressing 'Bluetooth On' button.



When Bluetooth function is not being used, the function should be turned off by pressing 'Bluetooth Off' button in order to extend the battery life.

## 4. Additional Functions

### 4.2 Bluetooth

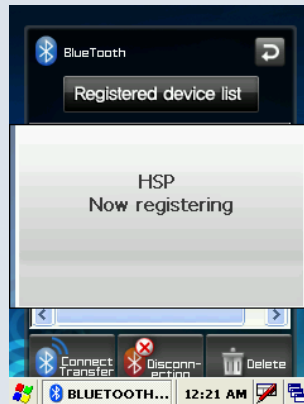
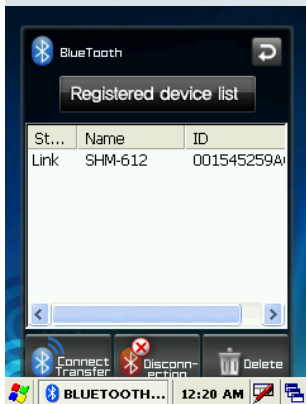


Place the Bluetooth device within 10 meters of this equipment

Press “Search Device” button.

Press “Register” button after selecting the Bluetooth device to be connected from among the list of devices searched.

When the window asking to enter the pin code pops up, enter the pin code and press “Confirm”. Each Bluetooth device has a unique pin code which is used for certification. Check the pin code with the manufacturer of the Bluetooth device.



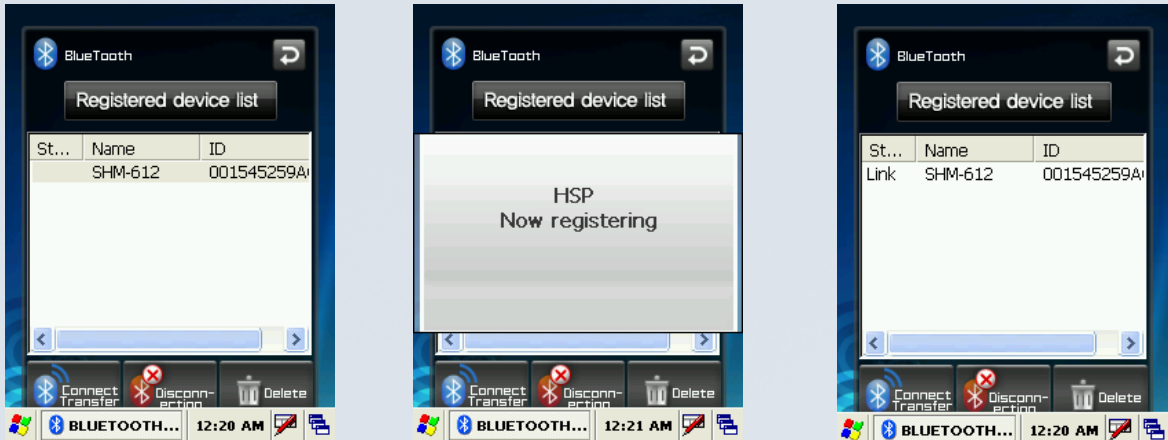
If ‘Registered Device List’ Window appears with a popup window informing that connection is made, connection is successfully achieved. .

If a failure window pops up, the steps should be taken again from the step # 1 in order.

**Caution:** Please refer to the manual of the Bluetooth device to be connected with this equipment as the method to execute each Bluetooth device differs from one device to another. Prior “Pairing” is required for Bluetooth devices. Once pairing is done for Bluetooth devices, connection can be made without being required to pair again later. However, if pairing information is deleted or the device list item is deleted by repair, pairing should be done again.

## 4. Additional Functions

### 4.2 Bluetooth: Registered Device List



Press “Registered Device List” button.

Press “Connect/Transmit” button after selecting the item which has been connected before from the “Registered Device List”. A popup window will appear to inform that the connection is made and connection status will be displayed in the status blank of the list.

In case connection has not been made, start from the step # 1 again. In order to disconnect the device connected, press “Disconnect” button.

Caution: If the device has been paired before, connection can be made right away without pairing procedure. The list of devices paired before will be shown in the “Registered Device List”.



The Device Information screen shows information about Bluetooth device such as device name, device ID (BD address), support profile, Bluetooth version, firmware version and software version.

In order to delete a device once connected, press “Delete” button after selecting the item to be deleted. A device currently connected cannot be deleted. Delete the list after disconnecting the device.

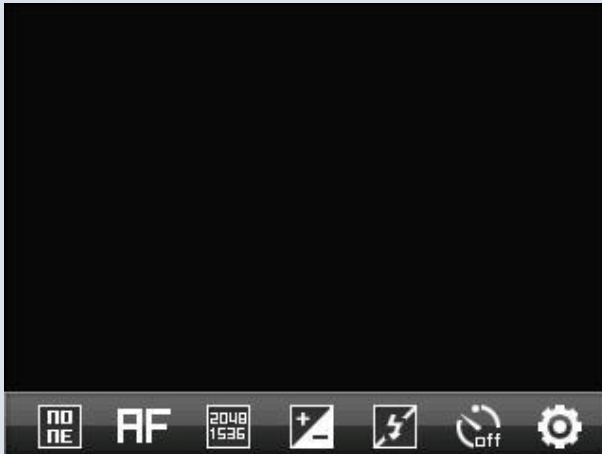
\* Reference: Even after the device is deleted from the ‘Registered Device List’, pin code window can popup if connection is requested by the Bluetooth device. At this time, connection can be made by pressing ‘Confirm’ button after entering the pin code.

## 4. Additional Functions

### 4.3 Camera



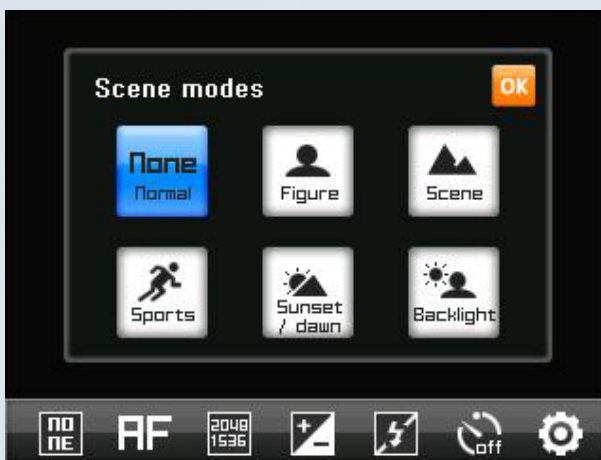
**This is an optional item and can only be used on models having this module.**



Camera will be activated when the F key on the right side of the product is pressed.

The basic window of camera will appear as shown on the left.

Zoom magnification can be adjusted using (+,-) button on the left side of the product.



Changes can be applied by pressing [OK] button at the top right of the screen after completing setup of camera options.

Changed options can be checked through changes in option setup icons.



## 4. Additional Functions

### 4.3 Camera

Icon	Description	Execution Method
	Selection of scene mode	Select scene mode after pressing .
	Selection of focus	Select focus after pressing .
	Photo size	Set up the photo size desired after pressing .
	Selection of screen brightness	Set up brightness after pressing .
	Selection of flash	Select flash after pressing .
	Timer setup	Set up timer after pressing .
	Advanced Settings	Set up environment after pressing .

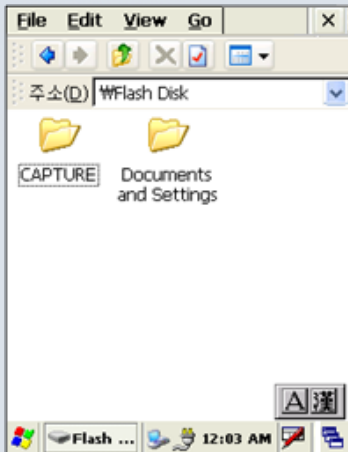
To exit the camera.

- (2) When button is pressed, camera will be exited.



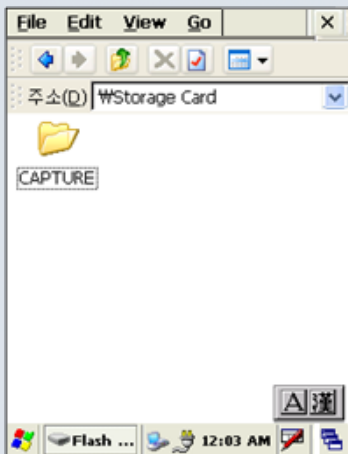
## 4. Additional Functions

### 4.3 Camera



The folder where photos are saved.

- (1) When the imbedded memory is selected as the storage space, photos can be found in My Device → Flash Disk → Capture folder.



- (2) If an external memory is selected as the storage space, photos can be found in → My Device → Storage Card → Capture folder.
- (3) Cautions when selecting storage space:
  - As it is a storage space for photos, the memory selected as the storage space should have at least 1 mega byte of free space. If the free space is less than 1 mega byte, a message like the one shown at the left will show up and photos cannot be stored.
- (4) If external memory is selected as the storage space while there is no external memory installed, photos will be automatically stored in the internal memory.

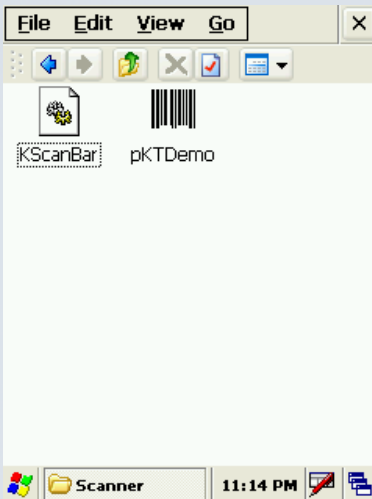
Out of memory

OK

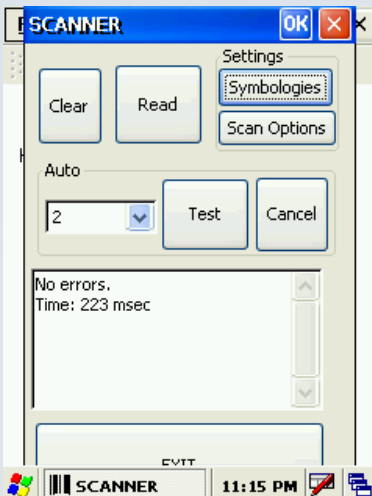


## 4. Additional Functions


### 4.4 1D Scanner



Open [pkTDemo] program. This is in the 1D Scanner test program.



When program is opened, user can see menus as shown left.

Click  button to check 1D Scanner laser.

Put laser to barcode to read. Barcode value will displayed on the window with beep sound.

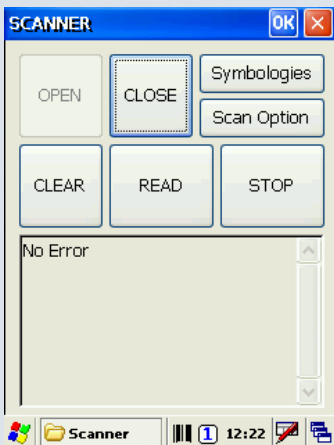
To start scanning,  and  keys are also available.

## 4. Additional Functions


### 4.5 2D Scanner




Open [BARCODE] program. This is in the 2D Scanner test program.



When program is opened, user can see menus as shown left.

Click  button to check 2D Scanner laser.

Put laser to barcode to read. Barcode value will displayed on the window with beep sound.

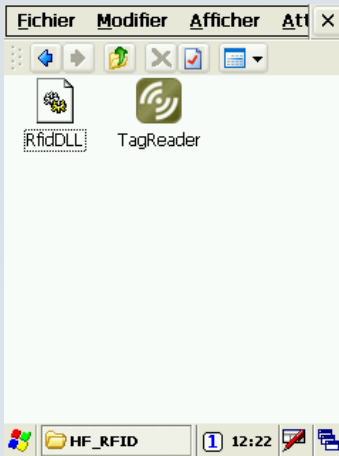
To start scanning,  and  keys are also available.



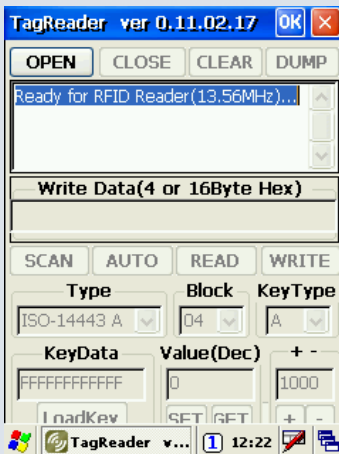
You can select the kinds of barcode to be decoded as shown in the picture (left) by clicking [Symbologies] button on the upper-right corner.

## 4. Additional Functions

### 4.6 RFID



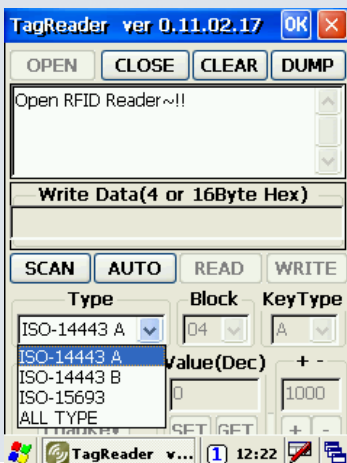
Open [TagReader] program. This is in the RFID(13.56MHz) Scanner test program.



Click[OPEN] button

Select the kind of card to be read in [Type]

When you press [SCAN] or [AUTO] buttons  
RFID Tag is read.



For proper reading: Put the card to be read on the  
laser caution sticker put on the device.

## 5. Problem Solving and Warranty

### 5.1 Problem solving

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#### Problem solving

1. Check followings first when a problem occurs while using the product. If the problem is still not solved, first contact the dealer you bought from.
2. In case of the delayed response, you can reach the manufacturer.  
DOTel's Customer Service Phone no.: +82-2-850-3243

#### Problem

Product does not turn on.

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No sound from the speaker.

---

Screen is dark.

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Some points in manual are unclear.



#### Solution

1. When the product is shipped from the factory, the circuitry is disconnected. Press the power button for 2 seconds or longer, when the product will turn on.
  2. Check if the battery is fully charged and charge the battery before using the product.
- 
1. Check if the earphones are plugged in. If the earphone is not plugged in, the speaker will not output any sound.
  2. Check if the volume of the product is not set at 0.
- 
1. Enter into 'Setup' and adjust the lighting.
- 
1. Use customer support in the Web site or contact customer center over phone, and a customer support agent will be glad to help you.

## 5. Problem Solving and Warranty

### 5.1 Problem solving

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#### Problem

The product seems to be hot.

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Buttons cannot be pressed or screen touch does not work.

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The PC does not recognize the product.

#### Solution

1. This product is designed to properly radiate the heat generated inside the product through the case.
2. If the product is used for a long period of time or the adapter is connected for long, you may feel warmth from the case. Please use the product at ease as there is no problem with the product.

- 
1. Check if the line is connected or in hold state.

- 
1. If the connection is frequently cut and instable, please connect the product not to a separate hub but directly to the USB terminal of the PC.
-





## 5. Problem Solving and Warranty

### 5.2 Customer support information

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#### 1. Contacting the customer service center

##### 1) Web site

- Before contacting customer support you may wish to try to find troubleshooting help at our website: [www.dotel.co.kr](http://www.dotel.co.kr).
- Click 'Contact' on the DOT website
- Fill in the form and click the 'submit' button.

##### 2) Content of service

Free or charged repair of all the models of PDA and sale of various accessories.

#### 2. Before asking for repair

- 1) Be sure to check the content of 'Problem solving' in the previous pages before asking for repair.
- 2) Do not forget to backup important data contained in the product in advance. Data may be deleted during repair due to memory formatting, etc. The Company does not take any responsibility for the data lost during servicing.
- 3) Be sure to write your telephone number and address. If there is no contact information for the customer, a problem may occur in the process.

#### 3. Quality Assurance

- 1) The warranty of the product is on the overleaf of the manual.
- 2) The products manufactured and sold by the Company are products shipped after going through strict quality control and inspection of DOTel Co., Ltd.



## 5. Problem Solving and Warranty

### 5.2 Contacting Customer Support

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#### 3) Warranty period

- Main body: 1 year
- Accessories (consumables): 6 months (battery and items excluding the main body)
- Mandatory period to keep spare parts in stock: 3 years from the date of releasing the relevant model

#### 4) Content of warranty

When a problem occurs during normal use within the warranty period, the customer service center of the dealer shall provide legitimate material and immaterial service in accordance with Consumer Damage Compensation Regulation by item. In the following cases, repair may be inevitably impossible even within the warranty period and at a cost.

- a. if the product is out of order due to shock or water-logging caused by a mistake of the consumer;
- b. if the product has been disassembled or remodeled;
- c. if the product is out of order due to natural disaster such as fire, earthquake or flood; or
- d. if the product has been repaired by persons other than the designated service staff of DOTel. Co., Ltd. , or in a non-designated service location

Individual matters not specified in this article shall be reviewed from the aspect of the internal regulation of DOTel Co., Ltd. for after service and customer support but aiming at convenience of the final consumer

#### 5) Warranty area: Korea

#### 4. Expense for repair

- 1) If the product has failed due to defect of the product itself within the warranty period, it will be repaired at free of charge in accordance with the warranty standard of the Company and Consumer Damage Compensation Regulation
- 2) The repair expense shall be decided in accordance with the repair price for each item in the internal regulation of the Company.
- 3) Even within the warranty period, if it falls under article 3-4 above, a certain amount of repair expense will be charged. Please understand as repair may not be possible in some cases.

-Hardware manufacturer: DOTel Co., Ltd. [www.dotel.co.kr](http://www.dotel.co.kr)

## 5. Problem Solving and Warranty

### 5.3 Product Warranty

#### Product Warranty

Classification	Content
Model name	DOTH-200
Date of purchase	
Purchased from	
Manufacturing no.	
Warranty period	One year from the date of purchase

#### Repair charge regulation

Product failure type		Within warranty period	After warranty period
If the failure occurs within 10 days after the purchase		Replace	N/A
Repair-able	When failure has occurred more than 3 times due to same defect	Free repair	Repair at a cost
	When failure has occurred more than 4 times due to same defect	Replace	Repair at a cost
Not repair-able	If repair is impossible within one month	Replace	Replace after deducting a fixed amount of depreciation
	If repair is impossible due to unavailability of repair part	Replace	Replace after deducting a fixed amount of depreciation
	If replacement is impossible	Refund	Refund the amount after deducting a fixed amount of depreciation and adding 10 percent



## 5. Problem Solving and Warranty

### 5.4 Communication and Product Specifications

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#### Communication Specifications

Classification	Content
GSM	Frequency used: GSM850,EGSM/DCS,PCS Transmission output: 32/29dBm Modulation: TDMA
WLAN	Frequency used: 2412~2484MHz Number of channels: 14 channels Transmission output: Max 15dBm Modulation: CCK/OFDM(802.11g), DSSS/CCK(802.11b)
Bluetooth	Frequency used: 2402~2480MHz Number of channels: 79 channels Transmission output: Max 4dBm Modulation: GFSK
13.56MHZ RFID	Frequency used: 13.5605MHz
GPS	Frequency used: 1575.42 MHz Number of channels: 50 channels



## 5. Problem Solving and Warranty

### 5.5 Product Specifications

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#### Product Specifications

Classification	Content
CPU	ARM 11/800MHz
OS	Windows CE5.0
RAM	128MB
ROM	256MB
Display	320 240 2.8" TFT LCD with Touch Panel
Interface	USB 2.0, 3.5 Phi Ear Jack
Battery	Standard type: 1600mA Large capacity: 2500mA (option)
Size	65(W) X 145(H) X 39(D)mm
Weight	210g
Adapter	5V/3A